

### **ABSTRACT OF THE DISCLOSURE**

A method for determining the number of receptors on a carrier in which the reception-marker complexes are detected independently of the receptor-ligand complexes includes the step of preparing a carrier. At least one receptor may be immobilized on the carrier, with the receptor being capable of interacting with a ligand and forming a specific receptor-ligand complex. A signal molecule or a marker may then be brought into contact with the receptor, whereby a receptor-marker complex is formed. The number of receptors on the carrier may then be determined by detecting the receptor-marker complexes.